

AMENDMENT TO THE CLAIMS

Please replace the below identified claims with the following:

1-9. (Canceled).

10. (Currently Amended) The hydrolyzable prepolymer of claim 21, wherein the prepolymer is poly(polycaprolactone-500 diol formal) having a ~~polycaprolactone component~~ ~~with a~~ molecular weight of about 3600 ~~500~~.

11-20. (Canceled).

21. (Currently Amended) A hydrolyzable prepolymer for explosive and propellant compositions, comprising the general formula



wherein R is a carbon chain or carbon and heteroatom chain monomer unit, the monomer unit having a molecular weight of from about 300 to about 1000 ~~extends in a linear manner or a linear and branched manner and is carbon atoms and hydrogen atoms or carbon atoms, oxygen atoms, and hydrogen atoms wherein said atoms along a line are single bonded to each other;~~

wherein n is a numeral ranging from about 2 ~~4~~ to about 10 ~~20~~; and,

wherein the -O-CH₂-O- within ~~the~~ a backbone of the prepolymer ~~consists essentially of~~ is a hydrolyzable moiety, being hydrolyzable at room temperature using an acid having a concentration of ~~from~~ about 2.0 N ~~or less~~.

22. (New) The hydrolyzable prepolymer of claim 21, having from five to eight -O-CH₂-O- linkages within the backbone.